Benjamin A Evans

List of Publications by Year
in descending order

12 papers	1,166 citations	933447 10 h-index	1125743 13 g-index
13 all docs	13 docs citations	13 times ranked	2138 citing authors

#	Article	IF	Citations
1	Reconfigurable Magnetic Origami Actuators with On‐Board Sensing for Guided Assembly. Advanced Materials, 2021, 33, e2008751.	21.0	39
2	Soft Capsule Magnetic Millirobots for Region-Specific Drug Delivery in the Central Nervous System. Frontiers in Robotics and AI, 2021, 8, 702566.	3.2	10
3	Photothermally Reconfigurable Shape Memory Magnetic Cilia. Advanced Materials Technologies, 2020, 5, 2000147.	5.8	22
4	Photothermally and magnetically controlled reconfiguration of polymer composites for soft robotics. Science Advances, 2019, 5, eaaw2897.	10.3	173
5	Magnetically Aligned Nanorods in Alginate Capsules (MANiACs): Soft Matter Tumbling Robots for Manipulation and Drug Delivery. Micromachines, 2019, 10, 230.	2.9	19
6	Non-monotonicity in the influence of nanoparticle concentration on SAR in magnetic nanoparticle hyperthermia. Journal of Magnetism and Magnetic Materials, 2018, 465, 559-565.	2.3	23
7	Chained Iron Microparticles for Directionally Controlled Actuation of Soft Robots. ACS Applied Materials & Interfaces, 2017, 9, 11895-11901.	8.0	128
8	Magnetically Responsive Negative Acoustic Contrast Microparticles for Bioanalytical Applications. ACS Applied Materials & Interfaces, 2016, 8, 25030-25035.	8.0	7
9	High-permeability functionalized silicone magnetic microspheres with low autofluorescence for biomedical applications. Materials Science and Engineering C, 2016, 62, 860-869.	7.3	12
10	Heating efficiency in magnetic nanoparticle hyperthermia. Journal of Magnetism and Magnetic Materials, 2014, 354, 163-172.	2.3	618
11	A highly tunable silicone-based magnetic elastomer with nanoscale homogeneity. Journal of Magnetism and Magnetic Materials, 2012, 324, 501-507.	2.3	81
12	Highly controllable near-surface swimming of magnetic Janus nanorods: application to payload capture and manipulation. Journal Physics D: Applied Physics, 2011, 44, 125001.	2.8	32